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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/686,829
Filing Date	Oct. 15, 2003
First Named Inventor	Anand P. Narayan
Art Unit	
Examiner Name	
Attorney Docket Number	TCOM0008

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature			
Printed name	Steven J Shattil		
Date	3/4/2005	Reg. No.	40,170

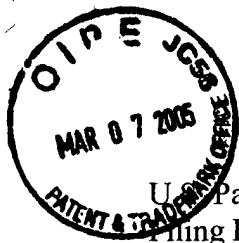
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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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Typed or printed name	Steven J Shattil	Date	3/4/2005

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Internal Docket No.: TCOM0008

U.S. Patent Application No. : 10/686,829
Filing Date : Oct. 15, 2003
First Named Inventor : Anand P. Narayan
Title : Method and Apparatus for Interference
Suppression with Efficient Matrix Inversion
in a DS-CDMA System
Date : March 4, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Information Disclosure Statement

Pursuant to 37 C.F.R. §1.56, 1.97, and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent and publication, or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §120 and identified below, is not submitted.

Certification

This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicant in the above-identified application.

March 4, 2005
Date


Steven J. Shattil

Respectfully submitted,

Steven J Shattil
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 12

Complete if Known

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First Named Inventor	Anand P. Narayan
Art Unit	
Examiner Name	
Attorney Docket Number	TCOM-0008

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4088955	05-09-1978	Baghdady	
		US- 4309769	01-05-1982	Taylor, Jr.	
		US- 4359738	11-16-1982	Lewis	
		US- 4665401	05-12-1987	Garrard et al.	
		US- 4670885	06-02-1987	Parl et al.	
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		US- 4893316	01-09-1990	Janc et al.	
		US- 4922506	05-01-1990	McCallister et al.	
		US- 4933639	06-12-1990	Barker	
		US- 4965732	10-23-1990	Roy III et al.	
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		US- 5099493	05-24-1992	Zeger et al.	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0558910 A1	01-25-1993	Blaupunkt-Werke GmbH		435972
		EP 0610989 A2	01-31-1994	Phillips Patentverwaltung GmbH		435973
		JP2000-13360A	01-14-2000	NEC Corp.		435972
		DE 4201439 A1	07-22-1993	Daimler-Benz		435973
		DE 4326843 A1	02-16-1995	Richard Hirschmann GmbH & Co		435972

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		US- 5218359	06-08-1993	Minamisono	
		US- 5218619	06-08-1993	Dent	
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		US- 5224122	06-29-1993	Bruckert	
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		DE 4343959 A1	06-29-1995	Richard Hirschmann GmbH & Co		52206E
		WO 93/12590	06-24-1995	Array-Comm, Inc.		52206E
		GB 2280575 A	02-01-1995	Roke Manor Research Limited		52206E
						52206E
						52206E

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		US- 5440265	08-08-1995	Cochran et al.	
		US- 5448600	09-05-1995	Lucas	
		US- 5481570	01-02-1996	Winters	
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						548157
						548157
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		US- 5995499	11-30-1999	Hottinen et al.	
		US- 6002727	12-14-1999	Uesugi	
		US- 6014373	01-11-2000	Schilling et al.	
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		US- 6157847	12-05-2000	Buehrer et al.	
		US- 6163696	12-19-2000	Bi et al.	
		US- 6166690	12-26-2000	Lin et al.	

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						601437
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		US- 6172969	01-09-2001	Kawakami et al.	
		US- 6175587	01-15-2001	Madhow et al.	
		US- 6192067	02-20-2001	Toda et al.	
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		US- 6215812	04-10-2001	Young et al.	
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		US- 6275186	08-14-2001	Kong	
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		US- 6282231	08-21-2001	Norman et al.	

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		US- 6282233	08-28-2001	Yoshida	
		US- 6285316	09-04-2001	Nir et al.	
		US- 6285319	09-04-2001	Rose	
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		US- 6362760	03-26-2002	Kober et al.	
		US- 6377636	04-23-2002	Paulraj et al.	

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						628531
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7

of 12

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Application Number	10/686,829
Filing Date	Oct. 15, 2003
First Named Inventor	Anand P. Narayan
Art Unit	
Examiner Name	
Attorney Docket Number	TCOM-0008

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		Number-Kind Code ² (if known)			
		US- 6380879	04-30-2002	Kober et al.	
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						643021
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First Named Inventor	Anand P. Narayan
Art Unit	
Examiner Name	
Attorney Docket Number	TCOM-0008

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						597841
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of

12

Attorney Docket Number

TCOM-0008

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10/686,829

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First Named Inventor

Anand P. Narayan

Art Unit

Examiner Name

NON PATENT LITERATURE DOCUMENTS

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		Application Number	10/686,829
		Filing Date	Oct. 15, 2003
		First Named Inventor	Anand P. Narayan
		Art Unit	
		Examiner Name	
Sheet 10 of 12	Attorney Docket Number	TCOM-0008	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/686,829
		Filing Date	Oct. 15, 2003
		First Named Inventor	Anand P. Narayan
		Art Unit	
		Examiner Name	
Sheet 11 of 12	Attorney Docket Number	TCOM-0008	

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Application Number

10/686.829

Filing Date

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First Named Inventor

Anand P. Narayan

Art Unit

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